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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Shibuya, et al.

Serial No.: 10/059,421

Group Art Unit: 2171

Filed: January 31, 2002

Examiner: Not Yet Assigned

For: SYSTEM AND METHOD FOR IDENTIFYING GENES

Honorable Assistant Commissioner of Patents
Washington, D.C. 20231#51A
Plunkett
9/6/02**AMENDMENT AND RESPONSE TO NOTICE TO COMPLY WITH
REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Sir:

In response to the Office Action dated March 20, 2002 (copy enclosed), please amend the above-referenced Application as follows:

IN THE SPECIFICATION:

Please amend paragraph 3 on page 13 as follows:

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“For example, a first hypothetical sequence “A.BC.DE[FG]PQ” matches a second hypothetical sequence “AABBCCDAKBCLDEFGPQAABBCCDD” beginning at position 8 of the second hypothetical sequence. Further, letting T_{sj} denote the set of patterns that match beginning at position j of s , letting T'_{sj} denote the set T/T_{sj} , letting $T_s = \{t_{v1}, t_{v2}, \dots, t_{vm}\}$ denote the concatenated list of T_{sj} 's for all j ($1 \leq j \leq l$), it can be seen that T'_{sj} 's for different j 's can contain the same pattern, thus T_s is in general a multiset.”